

**ABSTRACT**

**"A Liquid Pumping System"**

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A liquid outlet link assembly is provided for liquid delivery output rates below 10  $\mu$ l per minute so as to smooth out the flow from a positive displacement pump which has an immediate step pumping rate which is relatively substantially larger than the delivery rate required through the liquid outlet means. Essentially, this liquid link  
10 assembly has a bubble of air or some other pressure activated expansion means which initially contracts on the step pump such as a syringe pump operation and then gradually expands over time, allowing a steady output rate through the link assembly.

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